



# Massachusetts Natural Heritage Program



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ENDANGERED, THREATENED, AND SPECIAL CONCERN

## ANIMALS OF MASSACHUSETTS

### VERTEBRATES

#### FISH

#### STATUS

|   |                               |       |
|---|-------------------------------|-------|
| American Brook Lamprey  | <u>Lampetra appendix</u>      | T     |
| Shortnose Sturgeon  | <u>Acipenser brevirostrum</u> | FE, E |
| Atlantic Sturgeon   | <u>Acipenser oxyrhynchus</u>  | E     |
| Lake Chub   | <u>Couesius plumbeus</u>      | E     |
| Burbot  | <u>Lota lota</u>              | SC    |
| Eastern Silvery Minnow  | <u>Hybognathus regius</u>     | SC    |
| Longnose Sucker   | <u>Catostomus catostomus</u>  | SC    |
| Northern Redbelly Dace  | <u>Phoxinus eos</u>           | E     |
| Threespine Stickleback<br>(trimorphic freshwater population only) | <u>Gasterosteus aculeatus</u> | T     |

#### AMPHIBIANS

|   |                                   |    |
|---|-----------------------------------|----|
| Jefferson Salamander<br>(includes all genetic forms such as Silvery Salamander)       | <u>Ambystoma jeffersonianum</u>   | SC |
| Blue-spotted Salamander<br>(includes all genetic forms such as Tremblay's Salamander) | <u>Ambystoma laterale</u>         | SC |
| Marbled Salamander  | <u>Ambystoma opacum</u>           | T  |
| Spring Salamander   | <u>Gyrinophilus porphyriticus</u> | SC |
| Four-toed Salamander  | <u>Hemidactylium scutatum</u>     | SC |
| Eastern Spadefoot Toad  | <u>Scaphiopus holbrookii</u>      | T  |

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REPTILES

STATUS

|                             |                                      |       |
|-----------------------------|--------------------------------------|-------|
| Spotted Turtle              | <u>Clemmys guttata</u>               | SC    |
| Wood Turtle                 | <u>Clemmys insculpta</u>             | SC    |
| Bog Turtle                  | <u>Clemmys muhlenbergii</u>          | E     |
| Blanding's Turtle           | <u>Emydoidea blandingii</u>          | T     |
| Diamondback Terrapin        | <u>Malaclemys terrapin</u>           | T     |
| Plymouth Red-bellied Turtle | <u>Pseudemys rubriventris bangsi</u> | FE, E |
| Eastern Box Turtle          | <u>Terrapene carolina</u>            | SC    |
| Loggerhead                  | <u>Caretta caretta</u>               | FT, T |
| Green Turtle                | <u>Chelonia mydas</u>                | FT, T |
| Hawksbill                   | <u>Eretmochelys imbricata</u>        | FE, E |
| Atlantic Ridley             | <u>Lepidochelys kempii</u>           | FE, E |
| Leatherback                 | <u>Dermochelys coriacea</u>          | FE, E |
| Copperhead                  | <u>Agkistrodon contortrix</u>        | E     |
| Timber Rattlesnake          | <u>Crotalus horridus</u>             | E     |

BIRDS

|                      |                              |    |
|----------------------|------------------------------|----|
| Common Loon          | <u>Gavia immer</u>           | SC |
| Pied-billed Grebe    | <u>Podilymbus podiceps</u>   | T  |
| Leach's Storm-petrel | <u>Oceanodroma leucorhoa</u> | E  |
| American Bittern     | <u>Botaurus lentiginosus</u> | SC |
| Least Bittern        | <u>Ixobrychus exilis</u>     | T  |
| Cooper's Hawk        | <u>Accipiter cooperii</u>    | SC |
| Sharp-shinned Hawk   | <u>Accipiter striatus</u>    | SC |
| Northern Harrier     | <u>Circus cyaneus</u>        | T  |

| <u>BIRDS</u> (continued) |                                 | STATUS |
|--------------------------|---------------------------------|--------|
| Bald Eagle               | <u>Haliaeetus leucocephalus</u> | FE, E  |
| Peregrine Falcon         | <u>Falco peregrinus</u>         | FE, E  |
| Common Moorhen           | <u>Gallinula chloropus</u>      | SC     |
| King Rail                | <u>Rallus elegans</u>           | T      |
| Piping Plover            | <u>Charadrius melodus</u>       | FT, T  |
| Upland Sandpiper         | <u>Bartramia longicauda</u>     | E      |
| Eskimo Curlew            | <u>Numenius borealis</u>        | FE, E  |
| Least Tern               | <u>Sterna antillarum</u>        | SC     |
| Roseate Tern             | <u>Sterna dougallii</u>         | FE, E  |
| Common Tern              | <u>Sterna hirundo</u>           | SC     |
| Arctic Tern              | <u>Sterna paradisaea</u>        | SC     |
| Common Barn Owl          | <u>Tyto alba</u>                | SC     |
| Short-eared Owl          | <u>Asio flammeus</u>            | E      |
| Long-eared Owl           | <u>Asio otus</u>                | SC     |
| Sedge Wren               | <u>Cistothorus platensis</u>    | E      |
| Loggerhead Shrike        | <u>Lanius ludovicianus</u>      | E      |
| Henslow's Sparrow        | <u>Ammodramus henslowii</u>     | E      |
| Grasshopper Sparrow      | <u>Ammodramus savannarum</u>    | SC     |
| Northern Parula Warbler  | <u>Parula americana</u>         | T      |
| Blackpoll Warbler        | <u>Dendroica striata</u>        | SC     |
| Mourning Warbler         | <u>Oporornis philadelphia</u>   | SC     |
| Golden-winged Warbler    | <u>Vermivora chrysoptera</u>    | E      |

| <u>MAMMALS</u>       |                               | STATUS |
|----------------------|-------------------------------|--------|
| Rock Shrew           | <u>Sorex dispar</u>           | SC     |
| Water Shrew          | <u>Sorex palustris</u>        | SC     |
| Small-footed Myotis  | <u>Myotis leibii</u>          | SC     |
| Indiana Myotis       | <u>Myotis sodalis</u>         | FE, E  |
| Southern Bog Lemming | <u>Synaptomys cooperi</u>     | SC     |
| Gray Seal            | <u>Halichoerus grypus</u>     | SC     |
| Sei Whale            | <u>Balaenoptera borealis</u>  | FE, E  |
| Fin Whale            | <u>Balaenoptera physalus</u>  | FE, E  |
| Blue Whale           | <u>Balaenoptera musculus</u>  | FE, E  |
| Humpback Whale       | <u>Megaptera novaeangliae</u> | FE, E  |
| Black Right Whale    | <u>Balaena glacialis</u>      | FE, E  |
| Sperm Whale          | <u>Physeter catodon</u>       | FE, E  |

# INVERTEBRATES

|   |                               |    |
|---|-------------------------------|----|
| Ectoprocta (Bryozoans or Moss Animals)    |                               |    |
| Phylactolaemata (Freshwater Moss Animals) |                               |    |
| River Moss Animal                         | <u>Lophopodella carteri</u>   | SC |
| Mollusca (Mollusks)                       |                               |    |
| Gastropoda (Limpets, Snails and Slugs)    |                               |    |
| A limpet                                  | <u>Ferrissia walkeri</u>      | SC |
| Coastal Marsh Snail                       | <u>Littoridinops tenuipes</u> | SC |
| River-Bank Looping Snail                  | <u>Pomatiopsis lapidaria</u>  | E  |
| Northern Marstonia Snail                  | <u>Pyrgulopsis lustrica</u>   | E  |
| Boreal Turret Snail                       | <u>Valvata sincera</u>        | E  |
| Olive Vertigo Snail                       | <u>Vertigo perryi</u>         | SC |
| Pelecypoda (Mussels and Clams)            |                               |    |
| Dwarf Wedge Mussel                        | <u>Alasmidonta heterodon</u>  | E  |
| Brook Floater Mussel                      | <u>A. varicosa</u>            | E  |
| Yellow Lamp Mussel                        | <u>Lampsilis cariosa</u>      | E  |
| Tidewater Mucket                          | <u>Leptodea ochracea</u>      | SC |
| Eastern Pond Mussel                       | <u>Ligumia nasuta</u>         | SC |



INVERTEBRATES (continued)

STATUS

Annelida (Segmented Worms)

Hirudinea (Leeches)

New England Medicinal Leech

Macrobdella sestertia

SC

Crustacea (Crustaceans)

Anostraca (Fairy Shrimps)

Intricate Fairy Shrimp

Eubbranchipus intricatus

SC

Conchostraca (Clam Shrimps)

Massachusetts Clam Shrimp

Limnadia lenticularis

SC

Amphipoda (Scuds or Sideswimmers)

Mystic Valley Amphipod

Crangonyx aberrans

SC

Northern Spring Amphipod

Gammarus pseudolimnaeus

SC

Taconic Cave Amphipod

Stygobromus borealis

SC

Piedmont Groundwater Amphipod

S. tenuis tenuis

SC

Coastal Swamp Amphipod

Synurella chamberlaini

SC

Decapoda (Crayfishes, Shrimps, Lobsters and Crabs)

Appalachian Brook Crayfish

Cambarus bartonii

SC

Insecta (Insects)

Odonata (Dragonflies and Damselflies)

Spring Blue Darner Dragonfly

Aeshna mutata

E

Long-legged Green Darner Dragonfly

Anax longipes

SC

Stream Darner Dragonfly

Boyeria grafiana

SC

A bluet damselfly

Enallagma carunculatum

SC

A bluet damselfly

E. daeckii

SC

Lateral Bluet Damselfly

E. laterale

SC

Barrens Bluet Damselfly

E. recurvatum

T

Abbreviated Clubtail Dragonfly

Gomphus abbreviatus

E

River Clubtail Dragonfly

G. amnicola

E

Beaver Pond Clubtail Dragonfly

G. borealis

SC

Harpoon Clubtail Dragonfly

G. descriptus

E

Brotherly Clubtail Dragonfly

G. fraternus

E

Zebra Clubtail Dragonfly

G. scudderi

E

Desolate Clubtail Dragonfly

G. vastus

SC

Skillet Clubtail Dragonfly

G. ventricosus

SC

Twilight Skimmer Dragonfly

Neurocordulia obsoleta

SC

A snake darner dragonfly

Ophiogomphus aspersus

SC

A snake darner dragonfly

O. carolus

T

A bog skimmer dragonfly

Somatochlora cingulata

SC

Slender Bog Skimmer Dragonfly

S. elongata

SC

A bog skimmer dragonfly

S. georgiana

E

A bog skimmer dragonfly

S. kennedyi

E

Lined Bog Skimmer Dragonfly

S. linearis

SC

Ebony Boghaunter Dragonfly

Williamsonia fletcheri

E

Ringed Boghaunter Dragonfly

W. lintneri

E

INVERTEBRATES (continued)

STATUS

Coleoptera (Beetles)

|                                  |                                    |       |
|----------------------------------|------------------------------------|-------|
| Northeastern Beach Tiger Beetle  | <u>Cicindela dorsalis dorsalis</u> | E     |
| Twelve-spotted Tiger Beetle      | <u>C. duodecimguttata</u>          | SC    |
| A tiger beetle                   | <u>C. limbalis</u>                 | SC    |
| A tiger beetle                   | <u>C. patruela</u>                 | SC    |
| Puritan Tiger Beetle             | <u>C. puritana</u>                 | E     |
| Purple Tiger Beetle              | <u>C. purpurea</u>                 | SC    |
| Hentz's Red-bellied Tiger Beetle | <u>C. rufiventris hentzi</u>       | T     |
| Elderberry Borer Beetle          | <u>Desmocerus palliatus</u>        | SC    |
| American Burying Beetle          | <u>Nicrophorus americanus</u>      | FE, E |

Lepidoptera (Butterflies and Moths)

|                           |                                |    |
|---------------------------|--------------------------------|----|
| Pink-Edged Sulphur        | <u>Colias interior</u>         | SC |
| Early Hairstreak          | <u>Erora laeta</u>             | T  |
| Persius Duskywing Skipper | <u>Erynnis persius persius</u> | T  |
| Northern Hairstreak       | <u>Fixsenia ontario</u>        | SC |
| Hessel's Hairstreak       | <u>Mitoura hesseli</u>         | SC |
| Mustard White             | <u>Pieris napi oleracea</u>    | SC |
| Regal Fritillary          | <u>Speyeria idalia</u>         | E  |

|                                 |                                    |    |
|---------------------------------|------------------------------------|----|
| Coastal Heathland Cutworm       | <u>Abagrotis crumbi benjamini</u>  | SC |
| Barrens Daggermoth              | <u>Acronicta albarufa</u>          | T  |
| William's Tigermoth             | <u>Apantesis williamsii</u>        | T  |
| Blueberry Sallow Moth           | <u>Apharetra purpurea</u>          | T  |
| New Jersey Tea Inchworm         | <u>Apodrepanulatrix liberaria</u>  | T  |
| Straight Lined Mallow Moth      | <u>Bagisara rectifascia</u>        | SC |
| Gerhard's Underwing Moth        | <u>Catocala herodias gerhardi</u>  | T  |
| Melscheimer's Sack Bearer Moth  | <u>Cicinnus melscheimeri</u>       | T  |
| Chain Dot Geometer Moth         | <u>Cingilia catenaria</u>          | SC |
| Imperial Moth                   | <u>Eacles imperialis</u>           | SC |
| Barrens Buckmoth                | <u>Hemileuca maia</u>              | T  |
| Buchholz's Gray Moth            | <u>Hypomecis buchholzaria</u>      | T  |
| Pine Barrens Itame Moth         | <u>Itame</u> sp. (undescribed)     | SC |
| Pale Green Pinion Moth          | <u>Lithophane viridipallens</u>    | SC |
| Barrens Metarranthis Moth       | <u>Metarranthis apiciaria</u>      | SC |
| Coastal Swamp Metarranthis Moth | <u>M. pilosaria</u>                | SC |
| Northern Brocade Moth           | <u>Oligia hausta</u>               | SC |
| Pitcher Plant Borer Moth        | <u>Papaipema appassionata</u>      | SC |
| Heracleum Stem Borer Moth       | <u>P. harrisii</u>                 | SC |
| Chain Fern Borer Moth           | <u>P. stenocelis</u>               | SC |
| Decodon Stem Borer Moth         | <u>P. sulphurata</u>               | T  |
| Ostrich Fern Borer Moth         | <u>Papaipema</u> sp. (undescribed) | SC |
| Golden Aster Flower Moth        | <u>Schinia tuberculum</u>          | T  |
| Three-Lined Angle Moth          | <u>Semiothisa eremiata</u>         | SC |
| Spartina Borer Moth             | <u>Spartiniphaga inops</u>         | SC |
| Clemens' Hawkmoth               | <u>Sphinx lucitiosa</u>            | SC |
| Pine Barrens Zale Moth          | <u>Zale</u> sp. (undescribed)      | SC |
| Pine Barrens Zanclognatha Moth  | <u>Zanclognatha martha</u>         | T  |

STATUS CODES

FE = Listed as Federally Endangered by the U.S. Fish and Wildlife Service.

FT = Listed as Federally Threatened by the U.S. Fish and Wildlife Service.

E = Endangered. Any reproductively viable native species which has been documented by biological research and inventory to be in danger of extirpation from the Commonwealth.

T = Threatened. Any reproductively viable native species which has been documented by biological research and inventory to be rare or declining within the Commonwealth and which is likely to become endangered in the Commonwealth in the foreseeable future.

SC = Special Concern. Any native species which has been documented by biological research and inventory to be suffering a decline that could threaten the species in the Commonwealth if allowed to continue unchecked, or which occurs in such small numbers or with such a restricted distribution or specialized habitat requirements that it could easily become threatened.

321 CMR 8:00 lists the rules and regulations relative to the establishment of the Commonwealth's list of endangered and threatened species.

